

Fig. 1

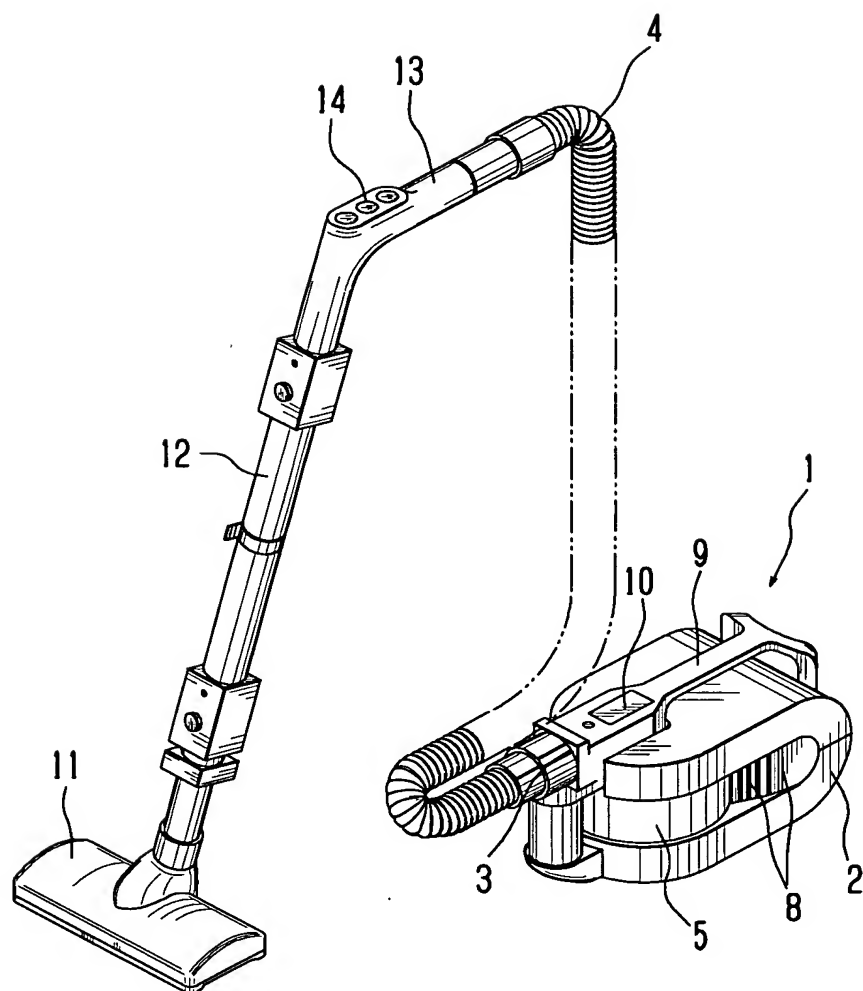


Fig. 2

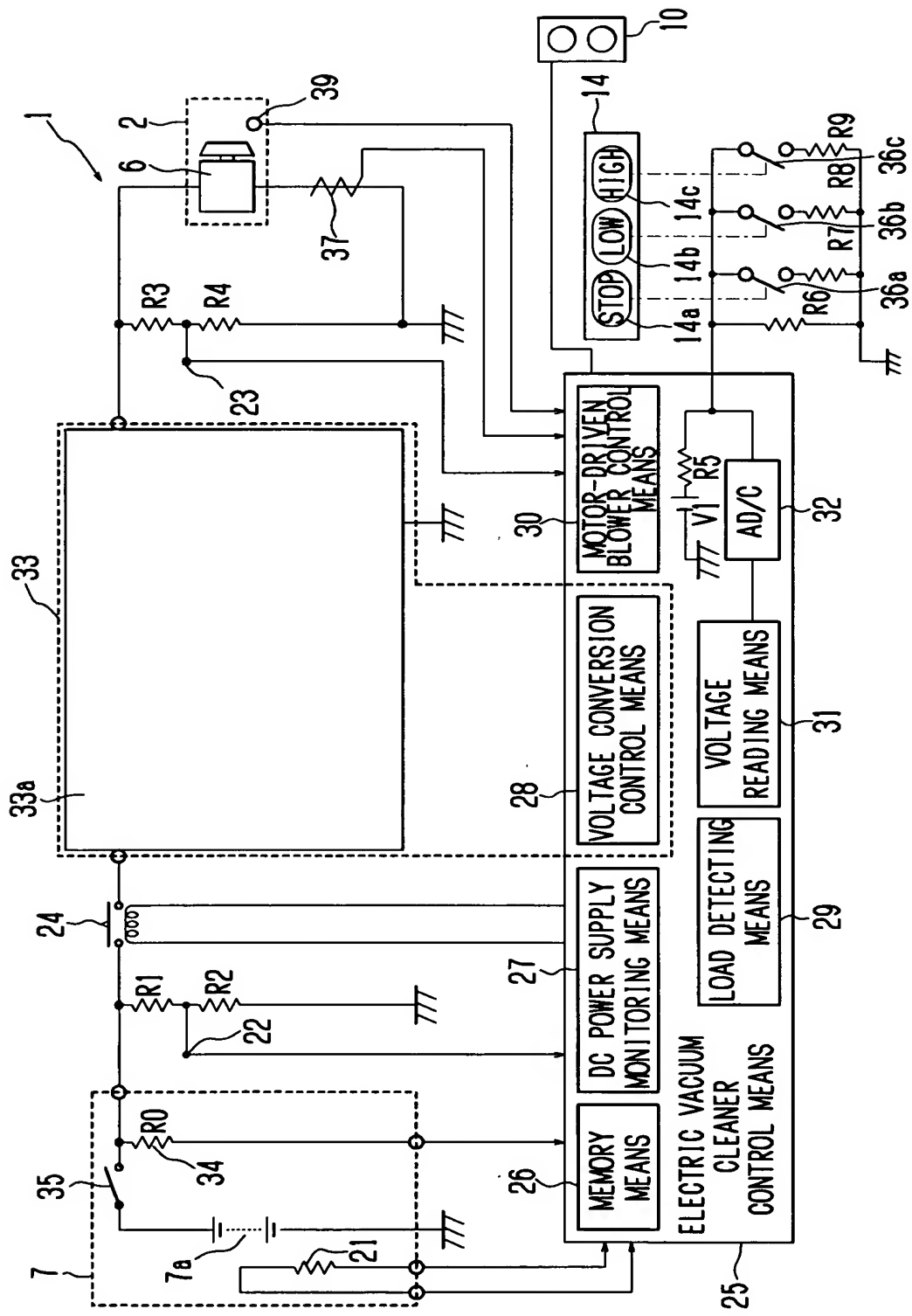


Fig. 3

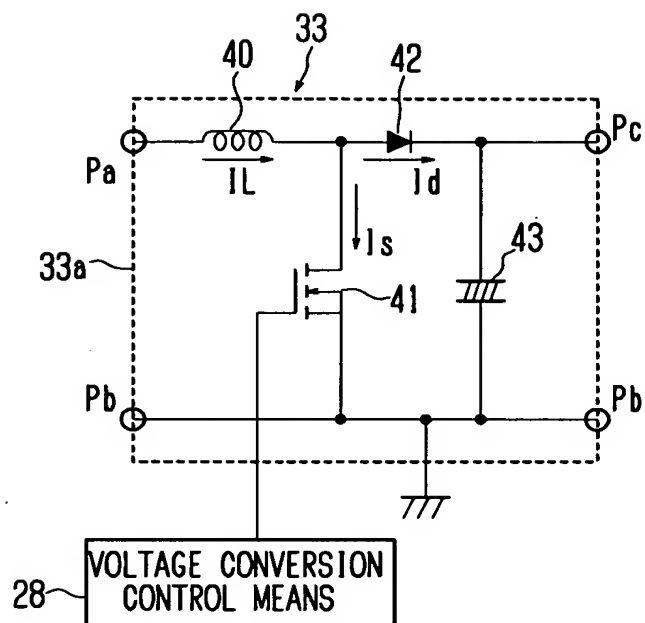


Fig. 4

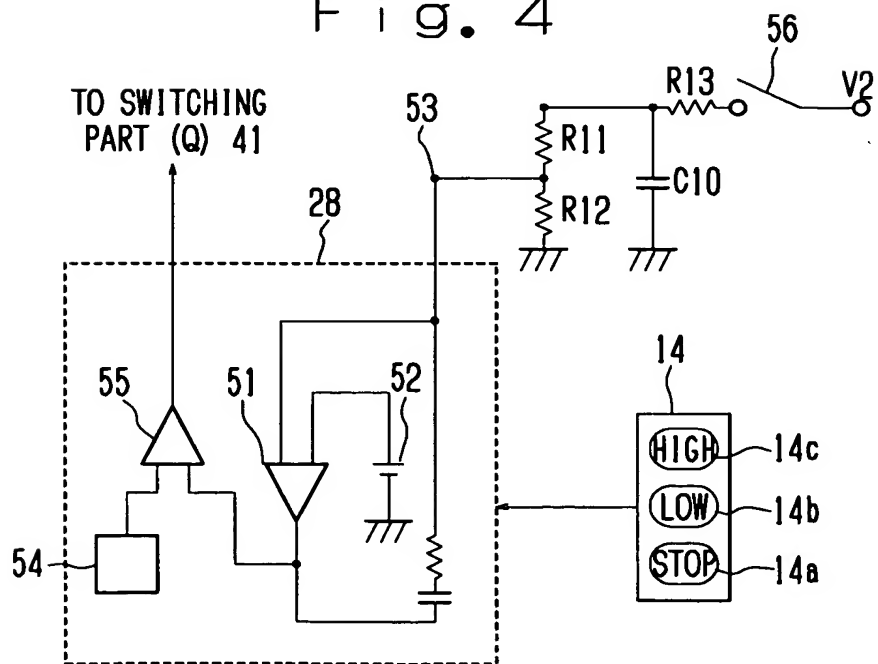


Fig. 5

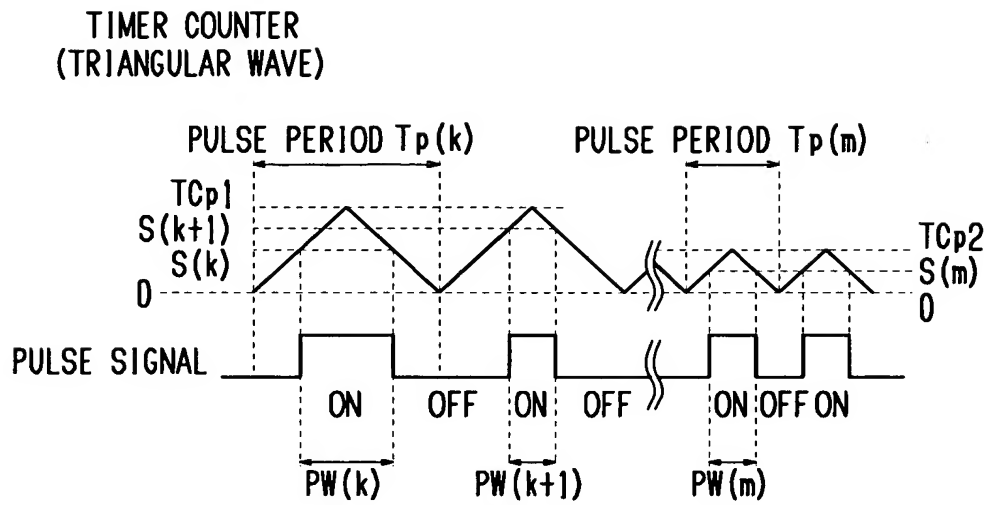


Fig. 6

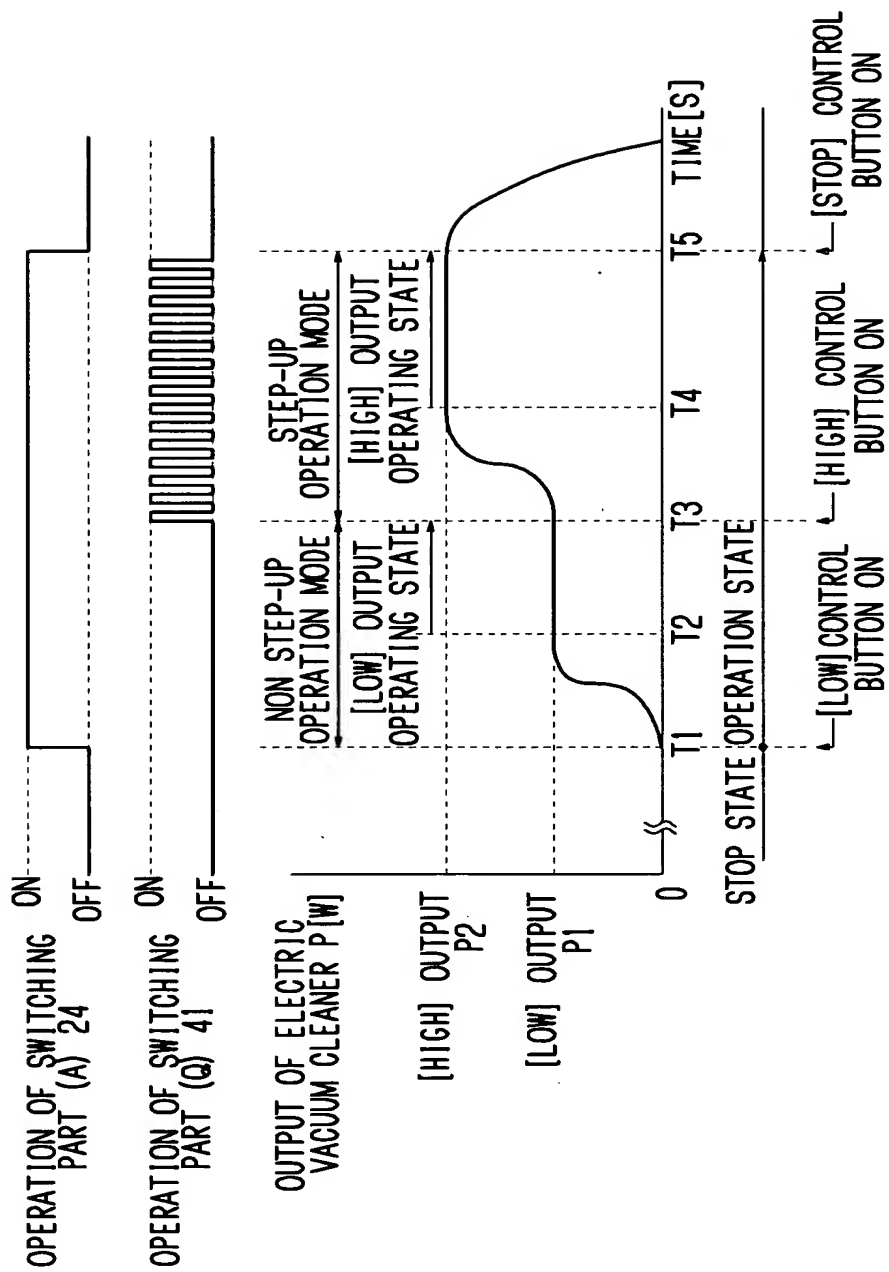


Fig. 7

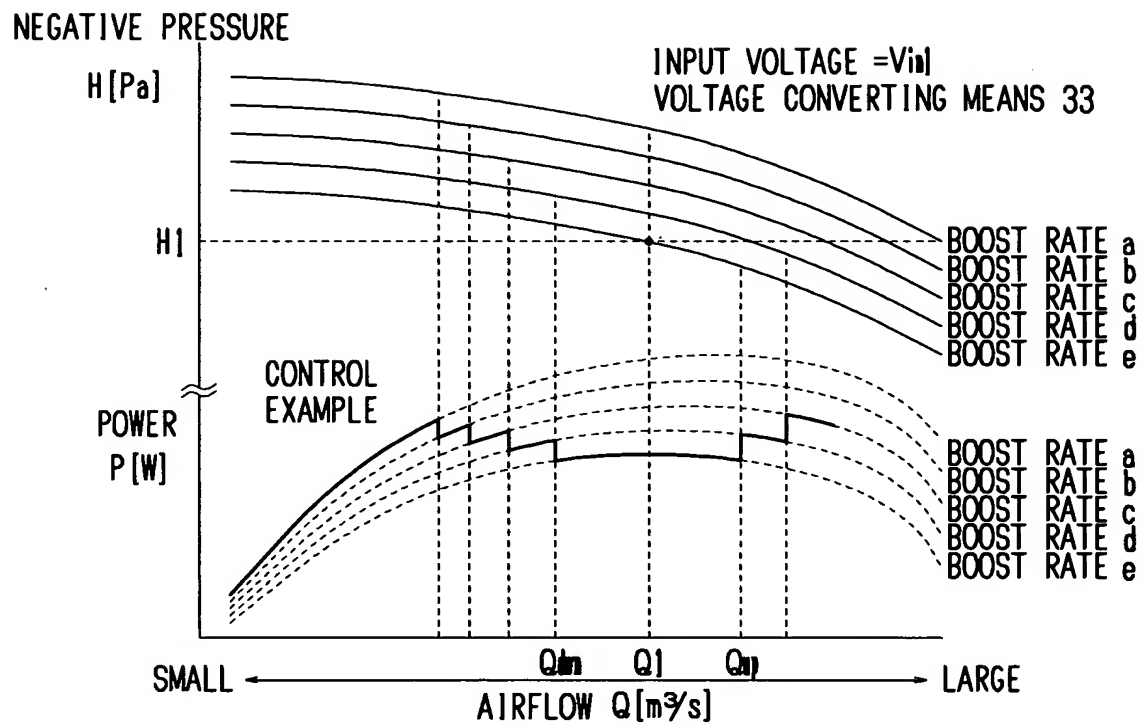


Fig. 8

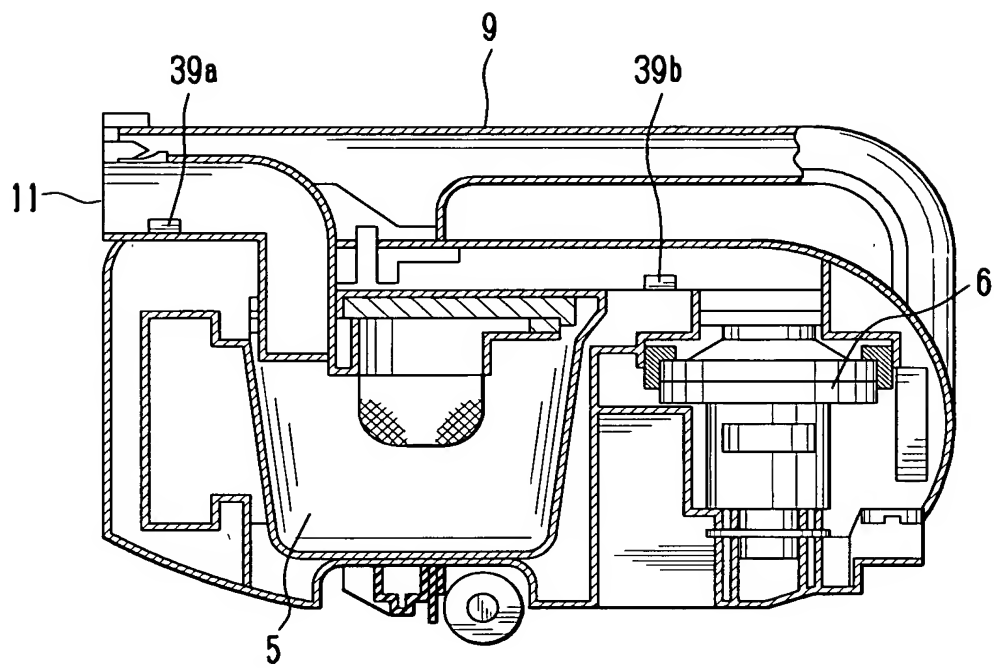


Fig. 9

BOOST RATE a

NEGATIVE PRESSURE	AIRFLOW
Ha_1	Qa_1
Ha_2	Qa_2
⋮	⋮
Ha_n-1	Qa_n-1
Ha_n	Qa_n

BOOST RATE b

NEGATIVE PRESSURE	AIRFLOW
Hb_1	Qb_1
Hb_2	Qb_2
⋮	⋮
Hb_n-1	Qb_n-1
Hb_n	Qb_n

BOOST RATE c

NEGATIVE PRESSURE	AIRFLOW
Hc_1	Qc_1
Hc_2	Qc_2
⋮	⋮
Hc_n-1	Qc_n-1
Hc_n	Qc_n

BOOST RATE d

NEGATIVE PRESSURE	AIRFLOW
Hd_1	Qd_1
Hd_2	Qd_2
⋮	⋮
Hd_n-1	Qd_n-1
Hd_n	Qd_n

BOOST RATE e

NEGATIVE PRESSURE	AIRFLOW
He_1	Qe_1
He_2	Qe_2
⋮	⋮
He_n-1	Qe_n-1
He_n	Qe_n

Fig. 10

INPUT VOLTAGE OF VOLTAGE CONVERTING MEANS 33 (OUTPUT VOLTAGE OF RECHARGEABLE BATTERY 10a)	RANGE OF AIRFLOW	BOOST RATE
Vb~Va	Qdwn_a1~Qup_a1	U_x1
	Qdwn_b1~Qup_b1	U_x2
	Qdwn_c1~Qup_c1、Qdwn_c2~Qup_c2	U_x3
	Qdwn_d1~Qup_d1、Qdwn_d2~Qup_d2	U_x4
	Qdwn_e1~Qup_e1	U_x5
Vc~Vb	Qdwn_a2~Qup_a2	U_y1
	Qdwn_b2~Qup_b2	U_y2
	Qdwn_c3~Qup_c3、Qdwn_c4~Qup_c4	U_y3
	Qdwn_d3~Qup_d3、Qdwn_d4~Qup_d4	U_y4
	Qdwn_e2~Qup_e2	U_y5
Vd~Vc	Qdwn_a3~Qup_a3	U_z1
	Qdwn_b3~Qup_b3	U_z2
	Qdwn_c5~Qup_c5、Qdwn_c6~Qup_c6	U_z3
	Qdwn_d5~Qup_d5、Qdwn_d6~Qup_d6	U_z4
	Qdwn_e3~Qup_e3	U_z5
~Vd	NO BOOSTED	

Fig 11

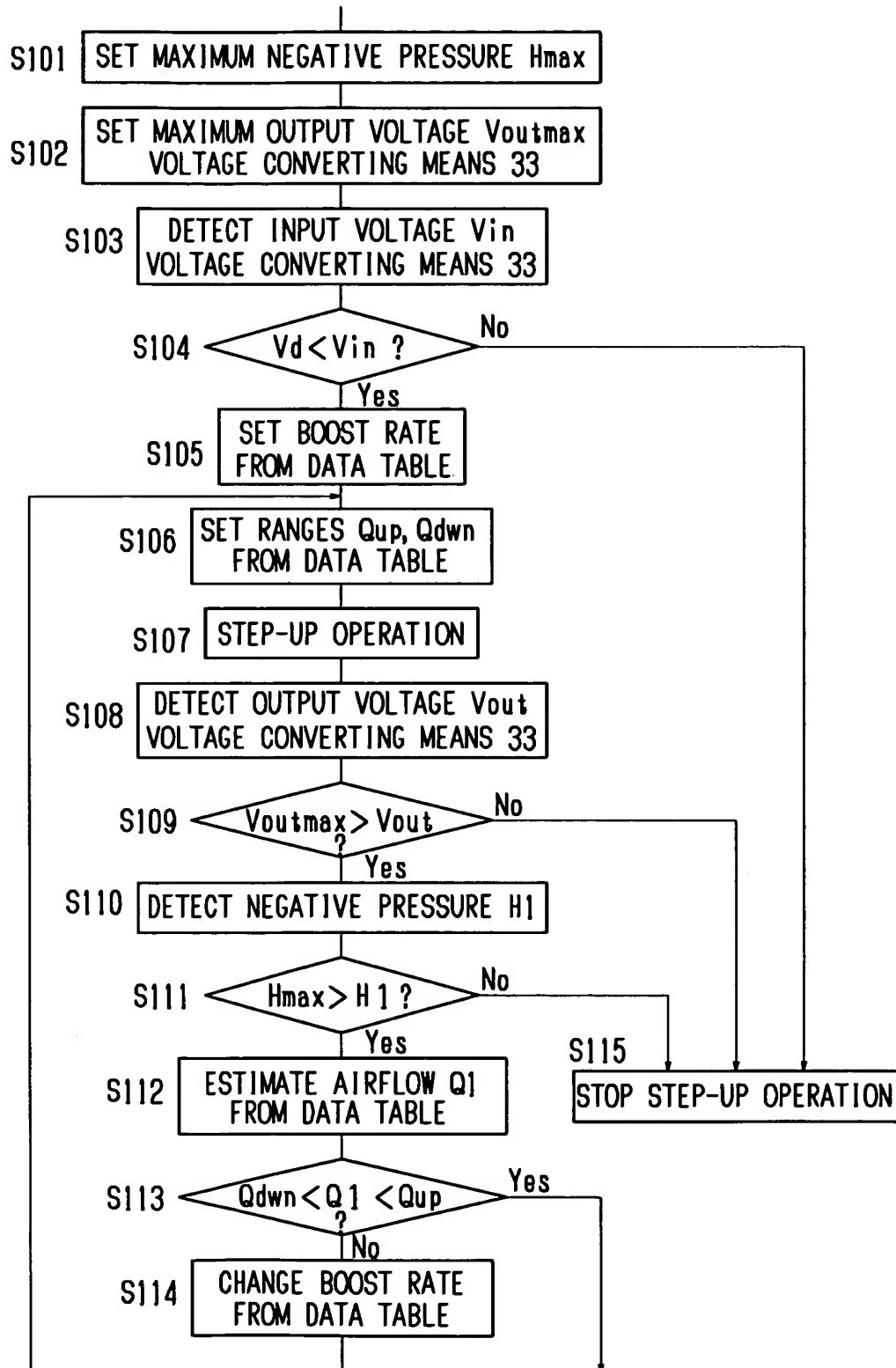


Fig. 12

INPUT VOLTAGE OF VOLTAGE CONVERTING MEANS 33 (OUTPUT VOLTAGE OF RECHARGEABLE BATTERY 10a)	RANGE OF CURRENT	BOOST RATE
$V_b \sim V_a$	$I_{dwn_a1} \sim I_{up_a1}$	U_{x6}
	$I_{dwn_b1} \sim I_{up_b1}$	U_{x7}
	$I_{dwn_c1} \sim I_{up_c1}$, $I_{dwn_c2} \sim I_{up_c2}$	U_{x8}
	$I_{dwn_d1} \sim I_{up_d1}$, $I_{dwn_d2} \sim I_{up_d2}$	U_{x9}
	$I_{dwn_e1} \sim I_{up_e1}$	U_{x10}
$V_c \sim V_b$	$I_{dwn_a2} \sim I_{up_a2}$	U_{y6}
	$I_{dwn_b2} \sim I_{up_b2}$	U_{y7}
	$I_{dwn_c3} \sim I_{up_c3}$, $I_{dwn_c4} \sim I_{up_c4}$	U_{y8}
	$I_{dwn_d3} \sim I_{up_d3}$, $I_{dwn_d4} \sim I_{up_d4}$	U_{y9}
	$I_{dwn_e2} \sim I_{up_e2}$	U_{y10}
$V_d \sim V_c$	$I_{dwn_a3} \sim I_{up_a3}$	U_{z6}
	$I_{dwn_b3} \sim I_{up_b3}$	U_{z7}
	$I_{dwn_c5} \sim I_{up_c5}$, $I_{dwn_c6} \sim I_{up_c6}$	U_{z8}
	$I_{dwn_d5} \sim I_{up_d5}$, $I_{dwn_d6} \sim I_{up_d6}$	U_{z9}
	$I_{dwn_e3} \sim I_{up_e3}$	U_{z10}
$\sim V_d$	NO BOOSTED	

Fig 13

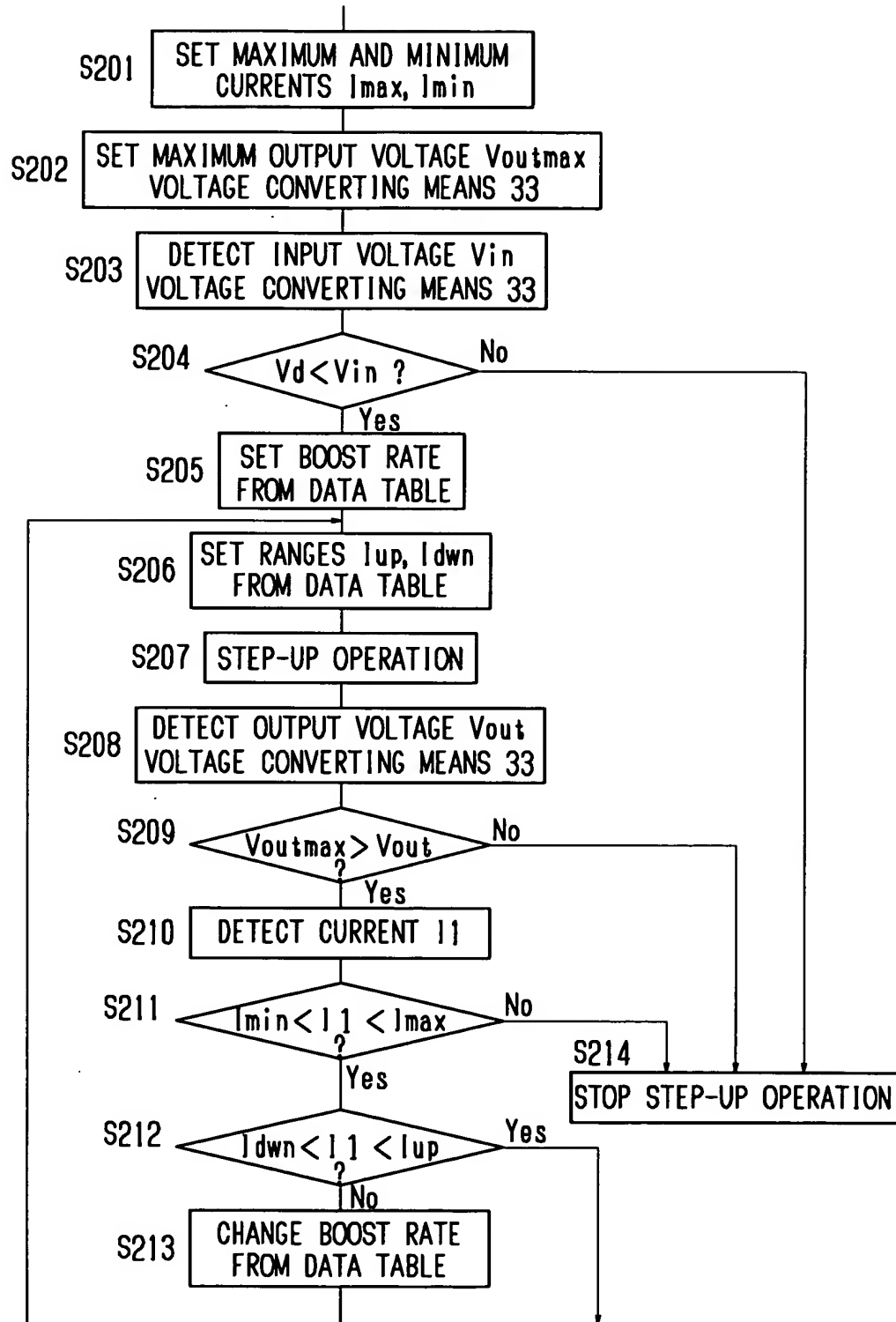


Fig. 14A

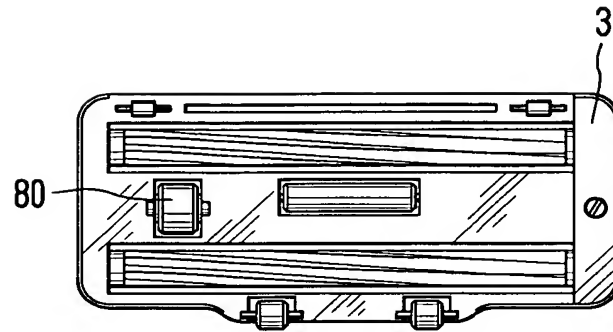


Fig. 14B

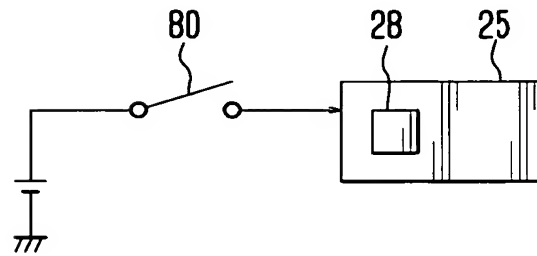


Fig. 15A

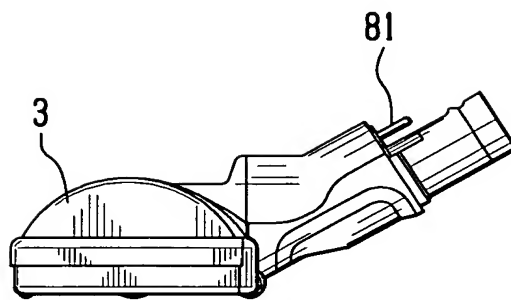


Fig. 15B

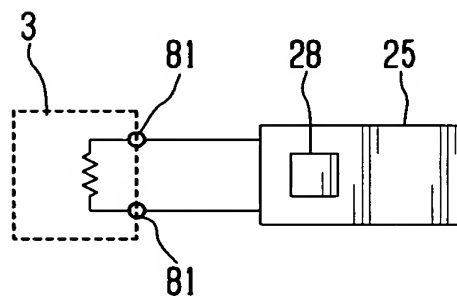


Fig. 16

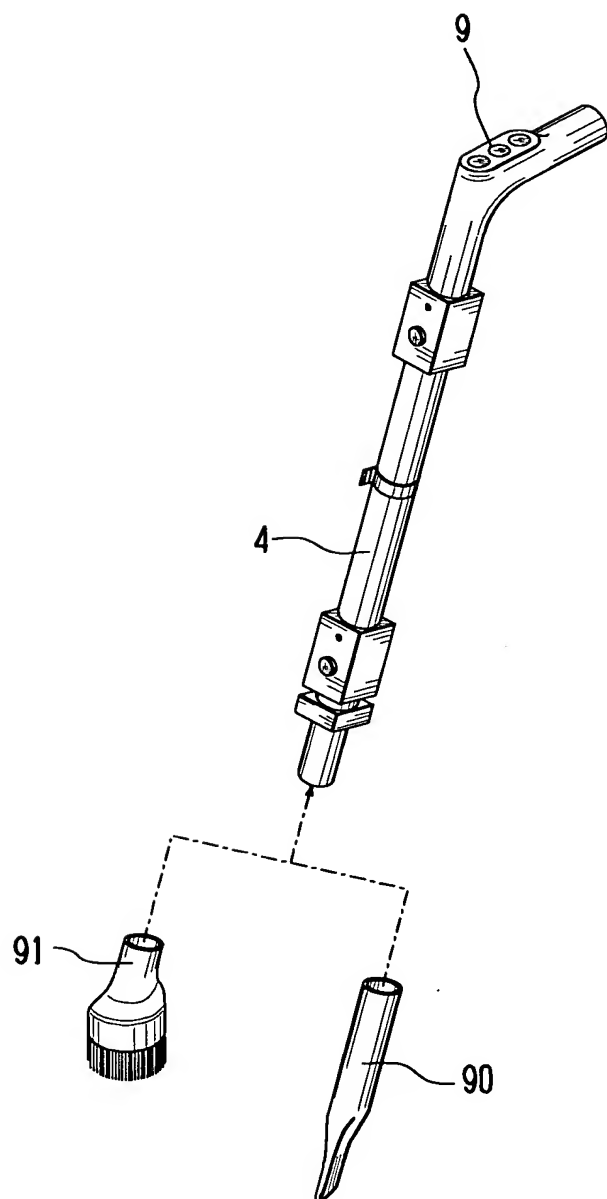


Fig. 17

